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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/220,055	12/23/98	JOHO	R 0107-0997-3

OBLON SPIVAK MCCLELLAND
MAIER & NEUSTADT
FOURTH FLOOR
ARLINGTON VA 22202

MM61/0603

EXAMINER	
GHANRAMANI, S	
ART UNIT	PAPER NUMBER
2834	

DATE MAILED: 06/03/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/220,055

Applicant(s)
Joho et al.

Examiner
Saeed Ghahramani

Group Art Unit
2834



- ☐ Responsive to communication(s) filed on _____.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

- ☒ Claim(s) 1-13 is/are pending in the application.
- Of the above, claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-13 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claims _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
- ☒ received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- *Certified copies not received: _____.
- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- ☒ Notice of References Cited, PTO-892
- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 4
- ☐ Interview Summary, PTO-413
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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Part III DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1, 3-7, 10 -13 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Yoshihiko** (JP401126141A).
3. **Yoshihiko** discloses a stator body (11) provided on its radial inside with slots (2) for accommodating conductor bars or conductor coils of a stator winding (abstract) and on its radial outside with periodically distributed notches (12) being arranged in alignment with one another (abstract) except for a stator body composed of a multiplicity of segment lamination. It would have been obvious to one having ordinary skill in the art at the time the invention was made to use a stator body composed of a multiplicity of segment lamination. The examiner takes official notice of the fact that it is a very well known in the art to use stator with the laminated core for the purpose of reducing the hysteresis effect.

Re claim 3, **Yoshihiko** discloses the claimed invention except for the number of notches is twice as great as the number of slots. It would have been obvious to one having ordinary skill in the art at the time of invention was made to make number of notches twice as great as the

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number of slots, since it has been held that mere duplication of essential working parts of a device involves only routine skill in the art. *St. Regis Paper Co. V. Bemis Co.*, 193 USPQ 8.

Re claim 4, **Yoshihiko** discloses the claimed invention except for the notches depth is in the order of magnitude of 20% of the yoke height. It would have been obvious matter of design choice to resize the notches depth in the order of magnitude of 20% of the yoke height since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. *In re Rose*, 105 USPQ 237 (ccpa5).

Re claim 5, **Yoshihiko** discloses the claimed invention except for the number of notches is equal to the number of slots. It would have been obvious to one having ordinary skill in the art at the time of invention was made to make the number of notches equal to the number of slots, since it has been held that mere duplication of essential working parts of a device involves only routine skill in the art. *St. Regis Paper Co. V. Bemis Co.*, 193 USPQ 8.

Re claim 6, **Yoshihiko** discloses the claimed invention except for the notches depth is in the order of magnitude of 40% of the yoke height. It would have been obvious matter of design choice to resize the notches depth in the order of magnitude of 40% of the yoke height since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. *In re Rose*, 105 USPQ 237 (ccpa5).

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Re claims 7, 10-13, **Yoshihiko** discloses the claimed invention except for the width of notches between 0.5 and 1 mm. It would have been obvious matter of design choice to resize of notches width between 0.5 and 1 mm since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. *In re Rose*, 105 USPQ 237 (ccpa5).

4. Claim 2, 8 and 9 rejected under 35 U.S.C. 103(a) as being unpatentable over **Yoshihiko** in view of **Macha** (us 3155856).

Yoshihiko discloses essentially the claimed invention. However, it fails to disclose the notches end in a relief opening at their radially inner end.

Macha discloses the notches end in a relief opening (102 and 108) (fig 3 and 2) at their radially inner end for the purpose of permitting greater freedom of individual flexure of the flanges.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify notches as taught by **Yoshihiko** and to provide end relief for the end of notches as taught by **Macha** for the purpose of greater freedom of individual flexure of notches.

Ref claim 8, **Yoshihiko** and **Macha** disclose the claimed invention except for the number of notches is twice as great as the number of slots. It would have been obvious to one having ordinary skill in the art at the time of invention was made to make number of notches twice as great as the number of slots, since it has been held that mere duplication of essential

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working parts of a device involves only routine skill in the art. *St. Regis Paper Co. V. Bemis Co.*, 193 USPQ 8.

Ref claim 9, **Yoshihiko** and **Macha** disclose the claimed invention except for the width of notches between 0.5 and 1 mm. It would have been obvious matter of design choice to resize of notches width between 0.5 and 1 mm since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. *In re Rose*, 105 USPQ 237 (ccpa5).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

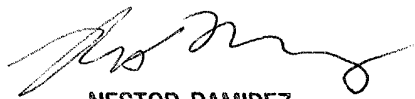
Contact Information

6. Any inquiry concerning this communication should be directed to Saeed Ghahramani telephone number (703) 305-1527. The examiner can be reached on Monday-Friday from 8:00 to 4:30 p.m., EST.

If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Nestor Ramirez, can be reached at (703) 308-1371. The fax number for this group is (703) 305-3431.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist at (703) 308-1728.

SG
May 28, 1999


NESTOR RAMIREZ
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800